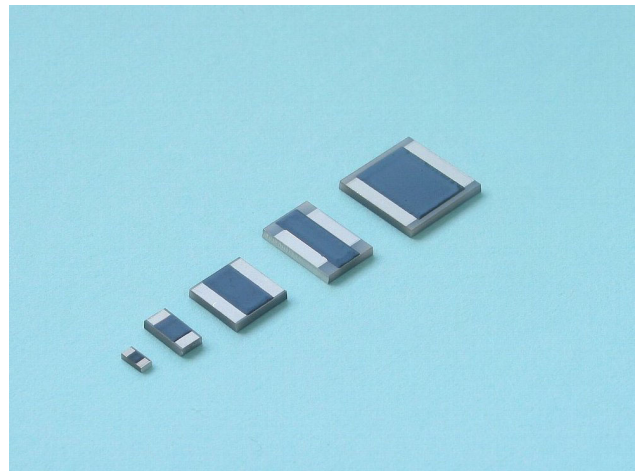


SURFACE MOUNT
HIGH POWER TERMINATIONS

RFTS



Features and Applications

High power surface mount termination for all DC up to 6GHz applications.

Small size and wide frequency range specifications realized with through large heat conducting AlN substrate.

Sufficient mechanical strength metallization from spattered thin film technology.

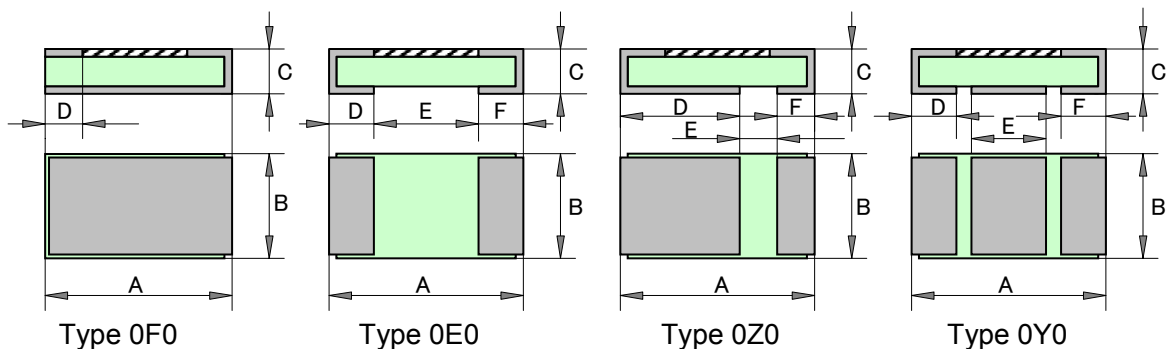
50ohm and 75ohm resistance with tolerance 1% and 10W, 50W, 100W and 250W provided as standard, and other resistance and power available.

Long life and temperature stability a result of Ni-Cr thin film technology.

Flanged termination will be available in the RFTF series.

Termination for isolator/circulators, fixed station of mobile communication electronics, and high power microwave amplifiers.

Style and Dimension



Type	Power	Type	A	B	C	D	E	F
RFTS05	5W	0F0	2.54	1.27	1.00	0.60	-	-
RFTS05		0E0	2.54	1.27	1.00	0.60	1.00	0.60
RFTS10	10W	0F0	5.08	2.54	1.00	1.00	-	-
RFTS10		0E0	5.08	2.54	1.00	1.00	3.00	1.00
RFTS50	50W	0F0	5.08	5.08	1.20	1.00	-	-
RFTS50		0E0	5.08	5.08	1.20	1.00	3.00	1.00
RFTS50		0Z0	5.08	5.08	1.20	3.00	1.08	1.00
RFTS50		0Y0	5.08	5.08	1.20	1.00	2.00	1.00
RFTS100	100W	0F0	5.84	8.89	1.20	1.20	-	-
RFTS100		0E0	5.84	8.89	1.20	1.20	2.40	1.20
RFTS100		0Z0	5.84	8.89	1.20	3.40	1.20	1.20
RFTS100		0Y0	5.84	8.89	1.20	1.20	2.40	1.20
RFTS250	250W	0F0	9.52	9.52	1.20	1.20	-	-
RFTS250		0E0	9.52	9.52	1.20	1.20	7.10	1.20
RFTS250		0Z0	9.52	9.52	1.20	7.10	1.20	1.20
RFTS250		0Y0	9.52	9.52	1.20	1.20	6.00	1.20

SURFACE MOUNT HIGH POWER TERMINATIONS

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Ordering Information

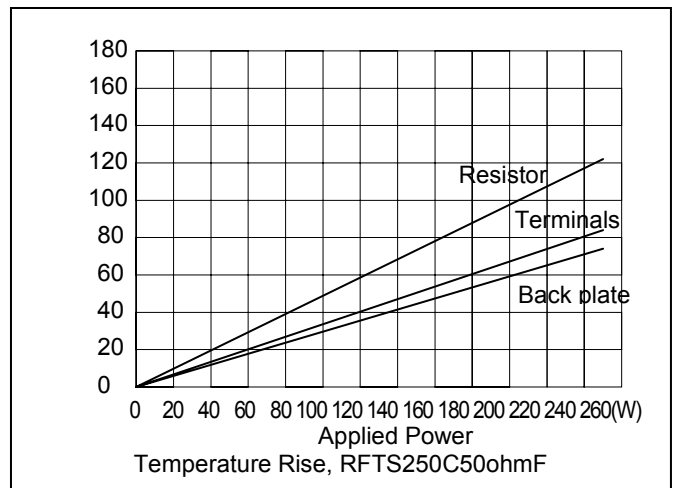
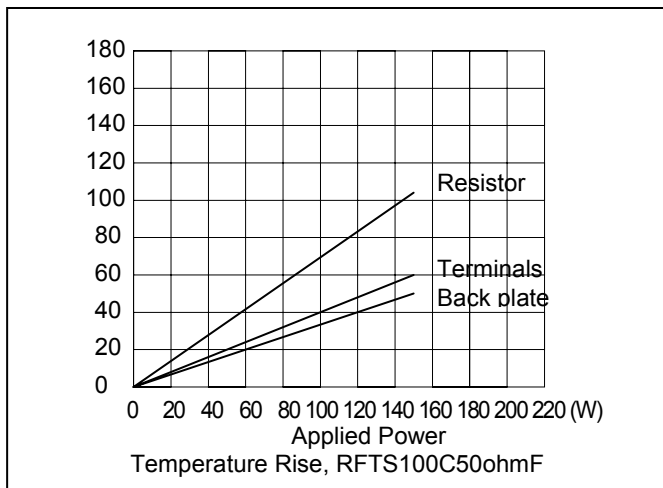
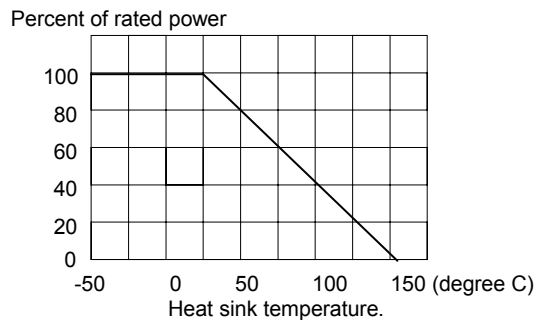
Ordering P/N	Type	TC	Resistance	Tolerance	Terminal Bulk/Tape	Remarks
RFTS05C50 OhmF0F0	RFTS05	C	50 Ohm	F	0F0	Bulk
RFTS05C50 OhmF0E0	RFTS05	C	50 Ohm	F	0E1	Tape Reel
RFTS10C100 OhmF0F0	RFTS10	C	100 Ohm	F	0F0	Bulk
RFTS10C100 OhmF0Y0	RFTS10	C	100 Ohm	F	0Y1	Tape Reel
RFTS50C50 OhmF0E0	RFTS20	C	50 Ohm	F	0E0	Bulk
RFTS250C50 OhmF0F0	RFTS20	C	50 Ohm	F	0F1	Tape Reel

Specifications and Performances

Type	RFTS05	RFTS10	RFTS50	RFTS100	RFTS250	Conditions
Rated Power (W)	5	30	50	100	250	
Maximum Power (W)	10	60	100	200	500	Pulse < 1 second
Resistance (Std) Ohm	50 Ohms, 75 Ohms					
TC (ppm/C)	50					
Tolerance (%)	1.0					
Heat Resistance (C/W)	12.5	6.5	2.5	1.3	0.5	
VSWR at 1GHz	1.15	1.15	1.2	1.2	1.2	
Max Operating Temperature	-55-155 degree C					
Storage Temperature	-55-155 degree C					

- (1) Other resistance value and substrate thickness are available. Please consult Nikkohm factory.
- (2) Power rating assumes that chip attached on metal insulated PC board.
- (3) Solder joint design should assure a solder thickness within 50 micron meters.

Derating Curve



SURFACE MOUNT HIGH POWER TERMINATIONS

RFTS

